

```
#Dictionary
```

```
d = {'a':10,'b':30,'c':50,'d':100}
```

Q1.write a code to update the value of key 'b' to 300

```
output-: {'a':10,'b':300,'c':50,'d':100}
```

Q2.write a code to check if key 'e' is present in dictionary d

if it 'e' is not present in d, then it should return 'e key does not exist'

```
output-: 'e key does not exist'
```

Q3.write a code to add new key,value i.e 'e',600 respectively inside dictionary d

```
output-: {'a':10,'b':300,'c':50,'d':100,'e':600}
```

Q4.write a code to display all the values from the dictionary

```
output-: dict_values([10, 300, 50, 100, 600])
```

Q5.write a code to merge the dictionary x inside dictionary d

```
x = {'i':11,'j':12,'k':13,'l':14}
```

```
output-: {'a':10,'b':300,'c':50,'d':100,'e':600,'i':11,'j':12,'k':13,'l':14}
```

Q6.write a code to remove the key 'j' from dictionary d

```
output-: {'a':10,'b':300,'c':50,'d':100,'e':600,'i':11,'k':13,'l':14}
```

```
In [1]:
```

```
d = {'a':10,'b':30,'c':50,'d':100}  
print(d)
```

```
{'a': 10, 'b': 30, 'c': 50, 'd': 100}
```

In [2]:

```
#Q1.write a code to update the value of key 'b' to 300
#output-: {'a':10,'b':300,'c':50,'d':100}

d.update({'b':300})
print(d)
```

```
{'a': 10, 'b': 300, 'c': 50, 'd': 100}
```

In [3]:

```
#Q2.write a code to check if key 'e' is present in dictionary d
#if it 'e' is not present in d, then it should return 'e key does not exist'
#output-: 'e key does not exist'
print(d.get('e' , 'e key does not exist'))
```

```
e key does not exist
```

In [4]:

```
#Q3.write a code to add new key,value i.e 'e',600 respectively inside dictionary d
#output-: {'a':10,'b':300,'c':50,'d':100,'e':600}
d['e'] = 600
print(d)
```

```
{'a': 10, 'b': 300, 'c': 50, 'd': 100, 'e': 600}
```

In [5]:

```
#Q4.write a code to display all the values from the dictionary
#output-: dict_values([10, 300, 50, 100, 600])

print(d.values())
```

```
dict_values([10, 300, 50, 100, 600])
```

In [6]:

```
#Q5.write a code to merge the dictionary x inside dictionary d
#x = {'i':11,'j':12,'k':13,'l':14}
#output-: {'a':10,'b':300,'c':50,'d':100,'e':600,'i':11,'j':12,'k':13,'l':14}

x = {'i':11,'j':12,'k':13,'l':14}
d.update(x)
print(d)
```

```
{'a': 10, 'b': 300, 'c': 50, 'd': 100, 'e': 600, 'i': 11, 'j': 12,
'k': 13, 'l': 14}
```

In [7]:

```
#Q6.write a code to remove the key 'j' from dictionary d  
#output-: {'a':10,'b':300,'c':50,'d':100,'e':600,'i':11,'k':13,'l':14}
```

```
d.pop('j')  
print(d)
```

```
{'a': 10, 'b': 300, 'c': 50, 'd': 100, 'e': 600, 'i': 11, 'k': 13,  
'l': 14}
```